

NAME P/N QTY	CRIT	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
		103FM25Z		<p>The connectors undergo 100% visual inspection when received from vendor. In addition, the cable assemblies are visually inspected and electrical continuity, insulation verification and electrical bond testing are performed during PDA.</p> <p>D. Failure History - B-EMU-103-A051 (2/3/01) - During pre-flight processing for STS-98, backshell on P6 connector found to be loose. No threadlock residue found. Work instructions revised to include inspection to ensure threadlock applied.</p> <p>E. Ground Turnaround - Tested for non-EET processing per FEMU-R-001, Enhanced Arm Assembly, Pre-Flight Test Requirements. None for EET processing.</p> <p>F. Operational Use - 1. Crew Response - Pre-EVA/Post EVA: Troubleshoot problem. If no success, consider use of third EMU if available. Otherwise, terminate EVA prep.</p> <p>EVA: If loss of fingertip heating occurs, turn off power from battery, terminate EVA.</p> <p>2. Special Training - None.</p> <p>3. Operational Considerations - Not Applicable.</p>

EXTRAVEHICULAR MOBILITY UNIT
SYSTEMS SAFETY REVIEW PANEL REVIEW
FOR THE
I-103 ARM ASSEMBLY
CRITICAL ITEM LIST (CIL)
EMU CONTRACT NO. NAS 9-97150

Prepared by: *J. Amman*
HS - Project Engineering

Approved by: *[Signature]*
NASA - SSA/SEM

M. Snyder
HS - Reliability

[Signature]
NASA - SSA/SEM

R. Mumford 4/24/02
HS - Engineering Manager

Chz & Lynn 6/26/02
NASA - S & MA

Stanley Smo 4/27/02
NASA - MOD

[Signature] 7/1/02
NASA - Crew

Jonathan L. Mill 7-1-02
NASA - Program Manager